

ALOG(R)File 351:Derwent WPI
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003979330

WPI Acc No: 1984-124874/198420

XRAM Acc No: C84-052871

Curing polyepoxy resin - with mixt. of aromatic amine and adducts of isocyanate(s) and cpd. having hydroxyl gp.

Patent Assignee: SUMITOMO BAKELITE CO (SUMB)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 59062620	A	19840410	JP 82173337	A	19821004	198420 B

Priority Applications (No Type Date): JP 82173337 A 19821004

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 59062620	A		5		

Abstract (Basic): JP 59062620 A

Aromatic amine is e.g. o-phenylene diamine, diaminodiphenylmethane or 2,4-toluenediamine. Cpd. (i) is e.g. methanol, phenol or propylene triol. Pref. 0.2-5 equivalent of aromatic amine and 0.2-5 equivalent of adducts (isocyanate -equivalent) are added to 1 equivalent of epoxy resin.

Epoxy resin having improved heat resistance, moisture resistance, toughness and adhesion is prepd.. Isocyanate group can be generated from the adducts easily, and at any time. Various cured materials e.g. having oxazolidone ring, urea bonding etc. can be obtd..

Title Terms: CURE; POLYEPOXIDE; RESIN; MIXTURE; AROMATIC; AMINE; ADDUCT; ISOCYANATE; COMPOUND; HYDROXYL; GROUP

009410976

WPI Acc No: 1993-104487/199313

XRAM Acc No: C93-046412

**Anticorrosive coating compsn. giving good surface treated steel plate -
comprising amine-modified polyepoxy resin, silica particles and organic
adherence improver**

Patent Assignee: DAINIPPON TORYO KK (DNTO)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 5043833	A	19930223	JP 91200414	A	19910809	199313 B
JP 2885549	B2	19990426	JP 91200414	A	19910809	199922

Priority Applications (No Type Date): JP 91200414 A 19910809

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 5043833	A		16	C09D-163/00	
JP 2885549	B2		12	C09D-163/00	Previous Publ. patent JP 5043833

Abstract (Basic): JP 5043833 A

The compsn. comprises (i) amine-modified epoxy resin obtd. after obtaining a modified polymer epoxy resin (wt. average molecular wt. of 8,000-50,000) from 100 pts. wt. of a reaction prod. obtd. by reaction of bisphenol A type epoxy resin with bisphenol A from under 5 pts. wt. aliphatic diisocyanate cpd. by addn. reaction of the epoxy gp. of the modified polymer epoxy with an amine cpd. contg. hydroxyl gp. (ii) silica particles and (iii) organic adherence improver having nitrogen atoms in the mol..

The compsn. comprising (i) amine-modified epoxy resin, (ii) silica particles, (iii) organic adherence improver having nitrogen atoms and (iv) solid lubricant powder is also a new anticorrosive coating compsn..

USE/ADVANTAGE - The compsn. is used for forming a coat excellent in corrosion resistance, partic. at the processed part after press moulding. It is excellent in cationic electrodeposition coatability and welding property on the steel plates. The steel plate surface-treated with this coating compsn. has high corrosion resistance, alkali resistance and good adherence to the base material. The coat has high processability, water resistant sec. adherence and also high corrosion resistance at the moulding processed parfor

Dwg.0/0

Title Terms: ANTICORROSIVE; COATING; COMPOSITION; SURFACE; TREAT; STEEL;
PLATE; COMPRISE; AMINE; MODIFIED; POLYEPOXIDE; RESIN; SILICA; PARTICLE;
ORGANIC; ADHERE; IMPROVE

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003682594

WPI Acc No: 1983-42568K/198318

XRAM Acc No: C83-041487

XRPX Acc No: N83-076935

Two-component polyepoxy adhesive for lining gas pipe - comprising glycidyl ether liq. polyepoxy resin and polyamide amine liq. resin hardener

Patent Assignee: ASHIMORI IND CO LTD (ASHO); SUNSTAR KAGAKU KOGYO KK (SUNZ)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 58049771	A	19830324	JP 81148176	A	19810919	198318 B
JP 87043471	B	19870914				198740

Priority Applications (No Type Date): JP 81148176 A 19810919

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 58049771	A		5		

Abstract (Basic): JP 58049771 A

Adhesive comprises (i) a glycidyl ether liq. epoxy resin having an epoxy equiv. of 170-360; and (ii) hardener consisting of polyamideamine liq. resin.

The viscosity of (i) is 5000-30000 cps, respectively, and the adhesive has a pot life at 20 deg.C of not less than 2 hrs., and a hardening time at 60 deg.C of not more than 2 hrs.

Lining of the gas pipe is carried out by applying the adhesive to the inner surface of soft cylindrical lining material with its cylindrical woven cloth exterior surface coated with a polyester elastomer. One end is fixed to form a ring to provide a turning area, and the turning area is advanced from one end of the gas pipe to the other reversing the lining material at the turning area while applying liq. pressure to the rear of the fixed ring portion. At the same time, the reversed lining is adhered to the inner surface of the pipe with the adhesive by the liq. pressure. Moisture is then applied to the lining material, and the adhesive hardened to fix the lining to the inner surface of the pipe.

Title Terms: TWO; COMPONENT; POLYEPOXIDE; ADHESIVE; LINING; GAS; PIPE; COMPRISE; GLYCIDYL; ETHER; LIQUID; POLYEPOXIDE; RESIN; POLYAMIDE; AMINE; LIQUID; RESIN; HARDEN

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008901706

WPI Acc No: 1992-028975/199204

XRAM Acc No: C92-012747

**Solvent-free anticorrosive paint for marine structures - contg. liq.
bisphenol-A polyepoxy resin, aliphatic polyamide -amine or epoxy modified
xylene diamine or isophoronediamine**

Patent Assignee: NIPPON STEEL CHEM CO (YAWH); NIPPON STEEL CORP (YAWA)

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 3275781	A	19911206	JP 9073487	A	19900326	199204 B
JP 94102765	B2	19941214	JP 9073487	A	19900326	199503

Priority Applications (No Type Date): JP 9073487 A 19900326

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 94102765	B2		5	C09D-163/02	Based on patent JP 3275781

Abstract (Basic): JP 3275781 A

The compsn. comprises (a) a liq. bisphenol epoxy resin having more than 2 epoxy gps. per molecule and under 250 epoxy equivalent, (b) a curing agent obtd. by compounding 10-100 wt. pts. aliphatic polyamideamine or epoxy-modified aliphatic polyamide-amine with 100 pts. wt. modified amine obtd. by modification of xylenediamine or isophoronediamine with an epoxy resin and (c) pigment in 20-65% pigment wt. concn.

USE/ADVANTAGE - The compsn. is used to prevent corrosion of marine steel structures, steel pipes, etc. coming into contact with fresh water and seawater, and in particular, it is suitable for prevention of the inside of the steel pipes conveying fresh water and seawater from corrosion. Since the coating compsn. form coating, with good water-, impact- and bending resistances, steel parts exposed to impact, bending and long-term dipping in water and the inside of the steel pipes conveying fresh water and seawater can be protected. (5pp Dwg.No.0/0)

Title Terms: SOLVENT; FREE; ANTICORROSIVE; PAINT; MARINE; STRUCTURE;
CONTAIN; LIQUID; BISPHENOL-A; POLYEPOXIDE; RESIN; ALIPHATIC; POLYAMIDE;
AMINE; EPOXY; MODIFIED; XYLENE; DI; AMINE; ISPHORONE; DI; AMINE